Xiv18 Reference Subwoofer

SAFETY INSTRUCTIONS

1. Read this document

2. Pay attention to all safety instructions and hazards and obligatory warnings

3. Do not use equipment or accessories that are not approved by QANON AUDIO.

4. Attention to Sound Level

Do not approach the speaker when operating, and consider wearing earplugs.

Speaker system can produce very high sound pressure level (SPL), which can be instantaneous.

It results in permanent hearing impairment to performers, producers and audiences.

Listening can take place for a long time:

8 hours 90 decibels (A-weighted), 30 minutes 110 decibels (A-weighted), less than 4 minutes 130 decibels (A-weighted).

5. Read the manual before operating the product.

Use speaker system components described in user manual and follow instructions

6. Read the rigging manual before installing the product.

Use the hanging accessories described in the installation manual and follow the relevant procedures.

7. Before repairing the product, please read the "Maintenance" section of this document.

8. Do not expose products to extreme conditions

Do not expose the product to rain or waves.

Do not expose the product to humidity (fog, steam, humidity, cooling, etc.) or overheating (direct sunlight, radiator...) For a long time

9. Do not store products on unstable carts, brackets, tripods, brackets or tables.

10. Maintain this document as an integral part of the product

Put this document in a safe place.

Record any services of the product in the maintenance section of this document

Do not resell products without this update document

Thank you for purchasing QANON AUDIO #Xiv18. The container shall contain - 1 #Xiv18 enclosure. Each QANON AUDIO #product has been tested and inspected before it leaves the factory and should arrive intact. Carefully open the container and check for any apparent damage. If so, inform the transport company or distributor immediately. Only the consignee can claim against the carrier for damage in transit. Cartons and packing materials must be kept for inspection by carriers. Read this document carefully to familiarize yourself with the product and identify external documents that contain basic information on correct and safe installation and operation of the product. All the documents described below can be accessed free of charge on the QANON AUDIO < website (www.qanon-audio.com).

As part of the continuous development of technology and standards, QANON AUDIO reserves the following rights:

Change product specifications and document contents without prior notice. Please visit the QANON AUDIO website regularly to download the latest updates of documents and software.

Xiv18 Reference Subwoofer

- Maximum SPL 136dB
- 1 x 18" Ferrite low frequency drive unit
- 360° horizontal
- Used with X series ultra low frequency extension
- Used with M series ultra low frequency extension
- Used with TC series ultra low frequency extension
- Used with PS series ultra low frequency extension
- Low frequency limit extends to 25Hz (-10dB)
- Rigging or ground stacking integrated assembly system
- C15/VDA/H Series amplifier controller

Xiv18 High Power Extended Low Frequency Loudspeaker

The Xiv18 is the recommended subwoofer for the X Series Line Array, M, TC, PS Series and other QANON AUDIO® products. It enhances the system's sub-low frequency supplement by enhancing the low-frequency throwing capability, which allows the system's operating frequency range to be extended to 25Hz.

The Xiv18 subwoofer is internally loaded with an 18-inch speaker. It has a powerful impact, sensitivity and low frequency performance, with a vented progressive shape on the inside and outside, allowing laminar airflow and reduced turbulence noise. These comprehensive features help to improve the working level.

The Xiv18 enclosure is made of Baltic birch plywood to ensure maximum acoustic and mechanical integrity.

In the installation application, the Xiv18 is especially suitable for different needs. It can be installed in both mobile and fixed installations. It also provides both vertical and horizontal mounting methods, extending the extension of the low frequency limit, so that you can feel very full low frequency effect. For small rental activities, the Xiv18 and M, TC, and PS series are quick to deploy and easy to assemble. It can be used as a powerful PA speaker ultra-low frequency system, and its excellent projection capability can meet large space and multi-function hall.

The Xiv18 subwoofer can be used as a stand-alone or as an extension of the low frequency of any product by QANON AUDIO® products.。Xiv18 is driven and amplified by C15 or H series / VDA power controller. Protect and optimize different configurations of loudspeaker systems, including cardioid
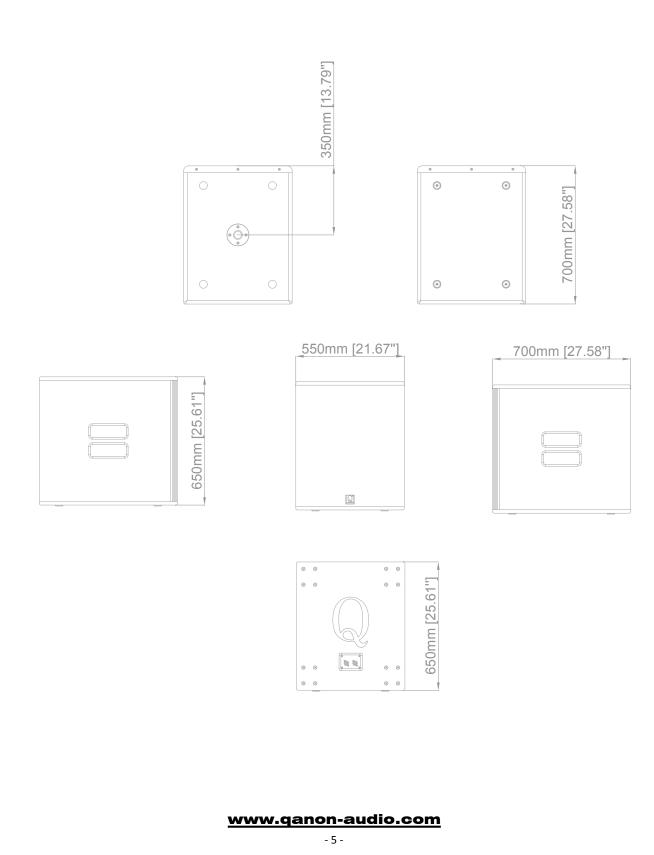
Xiv18 Technical Specification

Xiv18 Technical Specification	
Type	Subwoofer
Frequency Response(Preset)	25Hz-300Hz(-10dB)
Horizontal	360°
Drivers	LF:1×18" （Ferrite）
Handling Power (AES)	LF:1200W
Maximum Peak SPL	136dB/1m
Nominal Impedance	LF:8Ω
Connections	2 x NL4 SpeakOn
Pin Connections	NL4=LF:+1-1
Height Front	650mm
Height Back	650mm
Width	550mm
Depth	700mm
Weight	44kg / 97lb
Rigging and Handling	
Handle	2 ergonomic handles
Pole socket	1x 35mm Pole socket
stand bar	4x 10mm*38mm(H*∅)
Physical Data	
Material	Baltic Birch Plywood
Finish	Black
Front	Polyester powder-coated steel grill
Protection rating	IP45

Dimensions CAD

350mm [13.79"]

700mm [27.58"]

550mm [21.67"]

700mm [27.58"]
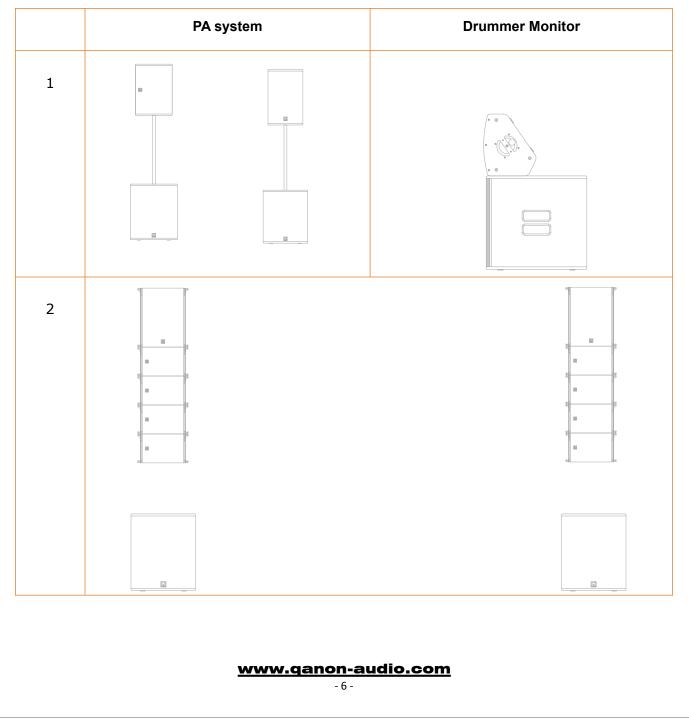
650mm [25.61"]

650mm [25.61"]

Application

- Live sound reinforcement
- Fixed installations including live event venues and nightclubs
- Theatre sound
- Corporate AV events
- Acoustically-challenging rooms
- Outdoor restaurant, bar and hotel entertainment areas
- Concourses and Theme Parks

PA system、Drummer Monitor、X series。

	PA system	Drummer Monitor
1		
2		

H Series Maximum number of enclosures per Amp

Enclosure	Max enclosure in parallel	Max enclosure per controller
X8	4	4
X10	4	4
X12	4	4
X8Sub	2	4
X10Sub	2	4
X12Sub	2	4
Xiv18	2	4
Xiv28	1	2

C / VDA Series Maximum number of enclosures per Amp

Enclosure	Max enclosure in parallel	Max enclosure per controller
X8	4	8
X10	4	8
X12	4	8
X8Sub	2	8
X10Sub	2	8
X12Sub	2	8
Xiv18	2	8
Xiv28	1	4

Enclosure	1	2	3	4
X8	LF:16 Ω / HF:16 Ω	LF:8 Ω / HF:8 Ω	LF:5.3 Ω / HF 5.3 Ω	LF:4Ω / HF:4 Ω
X10	LF:16 Ω / HF:16 Ω	LF:8 Ω / HF:8 Ω	LF:5.3 Ω / HF 5.3 Ω	LF:4Ω / HF:4 Ω
X12	LF:16 Ω / HF:16 Ω	LF:8 Ω / HF:8 Ω	LF:5.3 Ω / HF 5.3 Ω	LF:4Ω / HF:4 Ω
X8Sub	LF:8 Ω	LF:4 Ω	None	None
X10Sub	LF:8 Ω	LF:4Ω	None	None
X12Sub	LF:8 Ω	LF:4Ω	None	None
Xiv18	LF:8 Ω	LF:4Ω	None	None
Xiv28	LF:4 Ω	LF:2Ω	None	None

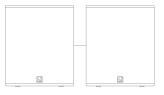| NL4 4-Pin 4*4²	X8 / X10 / X12	
Transducer connectors	LF = +1-1 HF = +2-2	
NL4 4-Pin 2*4²	X8Sub / X10Sub / X12Sub	
Transducer connectors	LF = +1-1	
NL4 4-Pin 2*4²	Xiv18 / Xiv28	
Transducer connectors	LF = +1-1	

Controller Introduction

H1200 Controller

2 Input x 2 Output Analog Type

2x NL4 SpeakOn

Max 2 enclosure in parallel For Xiv18

Max 4 enclosure per controller For Xiv18
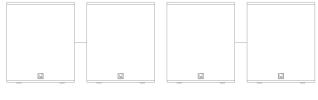
VDA18 DSP Controller

4 Input x 4 Output Analog Type

2 Input x 2 Output AES3 Digital Type

2 x RJ45 etherCON® (IN/OUT)

4 x NL4 SpeakOn

1 x 8pin PA-Com

Max 3 enclosure in parallel For Xiv18

Max 8 enclosure per controller For Xiv18

C15 Controller

4 Input Analog Type

2 x NL4 SpeakOn

1 x 8pin PA-Com / NL8 SpeakOn

Max 2 enclosure in parallel For Xiv18
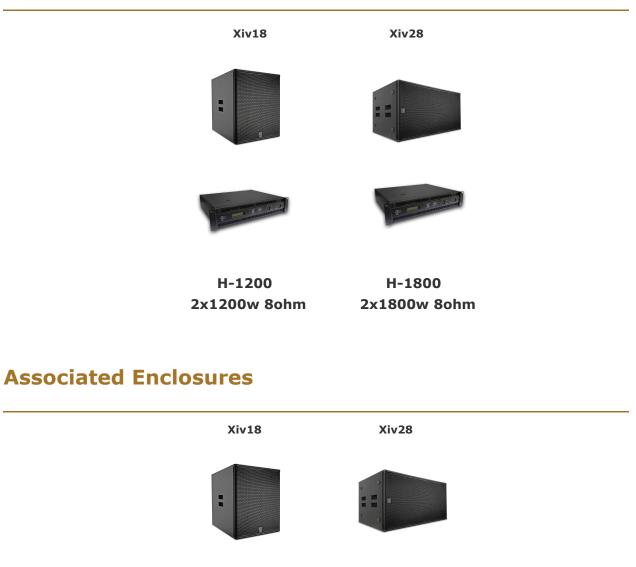
Max 8 enclosure per controller For Xiv18

D Series Processor Recommend

D36

D48

H Series Controller Recommend

Xiv18

Xiv28

H-1200
2x1200w 8ohm

H-1800
2x1800w 8ohm

Associated Enclosures

Xiv18

Xiv28

www.qanon-audio.com